

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-28 (cancelled).

29. (previously presented) An isolated polynucleotide comprising:

(a) a nucleotide sequence encoding a polypeptide having acetyl-coA acetyltransferase activity, wherein the polypeptide has an amino acid sequence of at least 85% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:8, or

(b) a full-length complement of the nucleotide sequence of (a).

30. (previously presented) The polynucleotide sequence of Claim 29 encoding a polypeptide having acetyl-coA acetyltransferase activity, wherein the polypeptide has an amino acid sequence of at least 90% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:8.

31. (previously presented) The polynucleotide sequence of Claim 29 encoding a polypeptide having acetyl-coA acetyltransferase activity, wherein the polypeptide has an amino acid sequence of at least 95% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:8.

32. (previously presented) The polynucleotide of Claim 29, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:8.

33. (previously presented) The polynucleotide of Claim 29 wherein the nucleotide sequence comprises SEQ ID NO:1.

34. (previously presented) A vector comprising the polynucleotide of Claim 29.

35. (amended) A recombinant DNA construct comprising the polynucleotide of Claim 29 operably linked to at least one heterologous regulatory sequence.

36. (previously presented) A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 29.

37. (previously presented) A cell comprising the recombinant DNA construct of Claim 35.

38. (previously presented) A method for producing a plant comprising transforming a plant cell with the polynucleotide of Claim 29 and regenerating a plant from the transformed plant cell.

39. (previously presented) A plant comprising the recombinant DNA construct of Claim 35.

40. (previously presented) A seed comprising the recombinant DNA construct of Claim 35.